

Claims

1. A carburetor, including an intake channel formed in said carburetor, wherein at least one partition is disposed in said intake channel, extends in the direction of a longitudinal axis of said intake channel, and divides said intake channel into at least one air channel and at least one mixture channel, where at least one fuel nozzle opens out into said at least one mixture channel, wherein a butterfly valve is pivotably mounted in said intake channel, and wherein said butterfly valve is provided with at least two sections that are moveable relative to one another.

2. A carburetor according to claim 1, wherein one of said sections of said butterfly valve forms an air valve section that in a closing position substantially closes off at least one air channel.

3. A carburetor according to claim 2, wherein another section of said butterfly valve forms a mixture valve section that in a closing position substantially closes off a mixture channel.

4. A carburetor according to claim 1, wherein said sections of said butterfly valve, starting from a closing position of said butterfly valve, are moveable relative to one another by approximately 5 to 25°.

5. A carburetor according to claim 4, wherein said sections of said butterfly valve are moveable relative to one another by about 10 to 20°.

6. A carburetor according to claim 1, wherein one of said sections of said butterfly valve is fixedly connected with a first shaft, wherein another section of said butterfly valve is fixedly connected with a hollow shaft, and wherein at least a portion of a length of said first shaft is surrounded by said hollow shaft.

7. A carburetor according to claim 6, wherein said another section of said butterfly valve is connected with a cross member that is disposed on said hollow shaft.

8. A carburetor according to claim 2, wherein said air valve section of said butterfly valve is spring-loaded in the direction toward a closing position thereof.

9. A carburetor according to claim 8, wherein a first end of a spring is fixed in position on a housing of said carburetor, and wherein a second end of said spring is fixed in position on an air valve shaft that is fixedly connected with said air valve section.

10. A carburetor according to claim 3, wherein a first engagement member is connected with an air valve shaft, wherein a second engagement member is connected with a butterfly valve shaft, wherein said second engagement member is associated with said first engagement member, wherein said air valve shaft is fixedly connected with said air valve section, wherein said butterfly valve shaft is fixedly connected with said mixture valve section, and wherein said first and

second engagement members in a closing position of said air valve section and said mixture valve section of said butterfly valve, have an angular spacing from one another in a circumferential direction that corresponds to a maximum rotational moveability of said air valve section and said mixture valve section relative to one another.

5 11. A carburetor according to claim 10, wherein said air valve shaft and said butterfly valve shaft extend at least from said intake channel to an outer side of a housing of said carburetor.

10 12. A carburetor according to claim 11, wherein a first disk is fixedly connected with said butterfly valve shaft on an outer side of said carburetor housing, and wherein said second engagement member is disposed on said first disk.

 13. A carburetor according to claim 12, wherein said air valve shaft extends from said first disk up to into said intake channel.

15 14. A carburetor according to claim 10, wherein a second disk is fixedly disposed on said air valve shaft, and wherein said first engagement member is disposed on said second disk.